

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.(Previously Presented) A device which comprises a circuit arrangement and an electrically conductive plate having an inductive function, which inductive function corresponds to a structure of at least one spiral-shaped slit formed in the plate, said spiral-shaped slit comprising at least two full 360° loops around a solid portion of the plate located at a center position of the spiral-shaped slit.

2.(Previously Presented) A device as claimed in claim 1, characterized in that the structure of slits is formed by at least two spiral-shaped slits.

3.(Original) A device as claimed in claim 2, characterized in

that the spiral-shaped slits are provided with a respective contact point in their central region and/or that at least one further contact point is arranged adjacent the spiral-shaped slits and/or between the central region and the periphery of a spiral-shaped slit.

4.(Original) A device as claimed in claim 3, characterized in that there is provided a printed circuit board which supports the circuit arrangement and is electrically coupled to the electrically conductive plate by way of the contact points.

5.(Original) A device as claimed in claim 4, characterized in that the printed circuit board supports the electrically conductive plate.

6.(Original) A device as claimed in one of the claims 1 to 5, characterized in that the electrically conductive plate has the function of a plurality of coils, the number of which corresponds to the number of spiral-shaped slits.

7. (Previously Presented) A device as claimed in one of the claims 1 to 5, characterized in that the electrically conductive plate is formed as a sheet of metal.

8. (Original) A device as claimed in claim 7, characterized in that an insulating layer is provided between the printed circuit board and the electrically conductive plate.

9. (Previously Presented) A device as claimed in one of the claims 1 to 5, characterized in that a layer of a magnetic material, notably a ferrite material, is provided on at least one side of the electrically conductive plate.

10. (Original) A device as claimed in claim 9, characterized in that there is provided an arrangement which comprises two layers of a magnetic material wherebetween the electrically conductive plate is arranged, on one outer side of the arrangement there being provided a printed circuit board which is electrically coupled to the electrically conductive plate.

11. (Previously Presented) A device as claimed in one of the claims 4 or 5 characterized in that there is provided a cooling layer which consists of a suitably thermally conductive material, notably metal, and that components of the device which are to be cooled are arranged between the cooling layer and the printed circuit board.

12. (Previously Presented) A device as claimed in one of the claims 4 or 5, characterized in that either the electrically conductive plate or the layer of a magnetic material is used for cooling.

13. (Previously Presented) A power supply device which includes a device as claimed in one of the claims 1 to 5.

14. (Original) A power supply device as claimed in claim 13, characterized in that the electrically conductive plate serves to form inductances of a multi-phase converter.

15. (Previously Presented) An electrically conductive plate

having an inductive function, the inductive function corresponding to a structure of at least one spiral-shaped slit formed in the plate, said spiral-shaped slit comprising at least two 360° loops around a solid portion of the plate located at a center portion of the spiral-shaped slit.

16. (Previously Presented) An electrically conductive plate as claimed in claim 15, characterized in that the structure of slits is formed by at least two spiral shaped slits.